

Amendments to the Claims:**Listing of Claims:**

1. Cancelled.
2. Cancelled.
3. Cancelled.
4. Cancelled.
5. Cancelled.
6. Cancelled.
7. Cancelled.
8. Cancelled.
9. Cancelled.
10. Cancelled.
11. Cancelled.
12. (Currently amended) A method of treating a postnatal human for adjusting cognitive function of a accelerating or decelerating cortical alpha rhythms of the postnatal human comprising the steps of:
 - determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones each sequence being repeated at a predetermined tempo; and
 - transmitting each of said sequences of tones in a soundwave form to said human during a predetermined period,
 - wherein a tempo at which each subsequent said sequence of tones is repeated is selected to be increased or decreased during the predetermined period thereby ~~adjusting cognitive function~~ accelerating or decelerating cortical alpha rhythms of the postnatal human and said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone.
13. Cancelled.
14. (Original) The method of claim 12 further comprising the step of:
storing said pattern of sonic variations in an electronic integrated circuit.
15. (Original) The method of claim 14 wherein said transmitting step comprises

transmitting said stored plurality of patterns from said electronic integrated circuit to said human with a sonic transducer.

16. Cancelled.

17. (Currently amended) A method of treating a postnatal baby for improving the cognitive function of a ~~accelerating or decelerating cortical alpha rhythms of the~~ premature baby comprising the steps of:

determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo; and

transmitting each of said sequences of tones in soundwave form to said premature baby during a predetermined period,

wherein a tempo at which each subsequent said sequence of tones is repeated is selected to be increased during the predetermined period thereby ~~improving the cognitive function~~ accelerating or decelerating cortical alpha rhythms of the premature baby and said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone.

18. Cancelled.

19. (Original) The method of claim 17 further comprising the step of:
storing said pattern of sonic variations in an electronic integrated circuit.

20. (Original) The method of claim 19 wherein said transmitting step comprises:
transmitting said stored plurality of patterns from said electronic integrated circuit to said premature baby with a sonic transducer.

21. Cancelled.

22. Cancelled.

23. Cancelled.

24. Cancelled.

25. Cancelled.

26. Cancelled.

27. Cancelled.

28. Cancelled.

29. Cancelled.

30. Cancelled.

31. Cancelled.

32. Cancelled.

33. (Currently amended) A system for treating a postnatal human ~~adjusting cognitive function of~~ accelerating or decelerating cortical alpha rhythms of the ~~a~~-postnatal human comprising:

means for determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period; and

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period,

wherein said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone in which subsequent sequences increase or decrease in tempo.

34. (Currently amended) The system of claim ~~32~~33 further comprising:

means for storing said pattern of sonic variations in an electronic integrated circuit.

35. (Original) The system of claim 34 wherein means for transmitting comprises said stored plurality of patterns from said electronic integrated circuit to said human with a sonic transducer.

36. (Currently amended) A system for treating a postnatal human ~~adjusting cognitive function of~~ ~~a~~ accelerating or decelerating cortical alpha rhythms of the postnatal human comprising:

means for determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo, said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period;

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period; and

means for positioning a transmission means proximate to a forehead of said human and transmitting said sequence of tones aurally thereby adjusting cognitive function of the postnatal human.

37. (Currently amended) A system for treating a premature baby ~~increasing cognitive function of a~~ accelerating or decelerating cortical alpha rhythms of the premature baby comprising:

means for determining a pattern of sonic variations in alpha rhythm, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo, said tones in said pattern of sonic variations are an alpha rhythm baseline tone or a tonal variation from said alpha rhythm baseline tone in which subsequent sequences increase in tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time; and

means for transmitting each of said sequences of tones in soundwave form to said premature baby thereby accelerating or decelerating cortical alpha rhythms ~~improving the cognitive function of the~~ premature baby.

38. (Original) The system of claim 37 wherein said tones in said pattern of sonic variations are a baseline tone or a tonal variation from said baseline tone in which subsequent sequences increase in tempo.

39. (Original) The system of claim 37 further comprising:

means for storing said pattern of sonic variations in an electronic integrated circuit.

40. (Original) The system of claim 39 wherein said means for transmitting comprises transmitting said stored plurality of patterns from said electronic integrated circuit to said premature baby with a sonic transducer.

41. Cancelled.

42. Cancelled.

43. Cancelled.